

**AVC-A1HD**

AV Surround Amplifier

**DENON**

**THX® Ultra2 certified Multi-Channel/Zone A/V HD Surround Amplifier**  
with ease of use and flexible media connectivity

..Network

**Bullet points****The Latest HD Audio and Video Support**

- New lossless audio formats Dolby True HD and DTS-HD Master Audio decoders.
- New advanced audio formats Dolby Digital Plus and DTS-HD High Resolution Audio decoders
- Deep Color 30/36 bits colour depth and xvYCC broader colour space support.
- HDMI 1.3a inputs/outputs allow to handle HD audio and video signal with higher speed.

**State-of-the-art Denon Solutions for Maximising Content Quality**

- Identical quality and power for all 7 channels, 150W x 7ch
- Dynamic Discretes Surround Circuit, D.D.S.C. -HD
  - Discrete Devices for ultimate performance in each block
  - Dual New 32bit floating point DSP
  - Master clock design for more accurate processing and less jitter noise.
  - Advanced AL24 processing provides more dynamic range and improve low level sound details.
- Compressed Audio Restorer
  - Denon's new audio technology for MP3/WMA/AAC compressed format to reproduce higher frequency range and deeper bass sound. This new audio technology provides better sound for iPod, USB player and network streaming audio.
- Latest version Mult EQ XT
  - New tower type microphone for more accurate measuring
  - Maximum eight points measurements
  - New filtering ALFC(Adaptive Low Frequency Correction) for higher resolution processing in low frequency band.
- HD Video Circuit
  - Discrete devices for ultimate HD video performance in each block
  - REALTA/HQV Processing up to 1080p
  - Denon Picture Image Correction (DPIC) circuitry
  - 12bit/216MHz video encoder and decoder with NSV
  - Analog to HDMI up conversion and HDMI to HDMI up conversion
- New Chassis Construction for clear audio and video signal
  - Minimum signal path
  - Direct Mechanical Ground for stable drive
  - Separate unit design
  - Denon original speaker terminals

**Digital Media Connectivity**

- Network
  - Playback music file from PC or DLNA server
  - AAC, WMA, MP3, FLAC, WAV file support
  - Playback over 7000 internet radio stations
  - JPEG Photo slideshow
  - Wired network or Wi-Fi IEEE 802.11 b and g
  - WEB system control via network
- iPod® audio, photo and video playback (optional ASD product family)
- Mass storage support USB for audio and photo playback

**Ease-of-Use**

- New Graphical User Interface
  - Newly developed user interface for easy operation, setup and digital media browsing.
  - Album art support for iPod/Network/USB
  - Title text for iPod/Network/USB
  - Multi language support
  - Available for 1080p HDMI signal
  - Zone 2 OSD with text/album art is also available
- Multi-lingual support for GUI
- Auto set-up and Room EQ, featuring MultEQ XT from Audyssey
- Includes dedicated zone remote control unit
- Auto Lip Sync (HDMI 1.3a)
- New back panel layout

**Multi Zone Capability**

- Four Zone multi source capability
- Digital to analog conversion for multi zone output
- Zone2 OSD
- Dual HDMI output simultaneously
- Dual component outputs and independent zone component output
- Remote in/out
- RS-232C control
- IP control

## State-of-the-art Denon Solutions for Maximising Content Quality

- Digital / Analog separate winding
- Large-output power amp section and power supply configuration, for stable high-power output
- Stable power supply for high-quality sound and picture playback
- 24-bit/192-kHz D/A converter for all channels
- DENON Link (3rd), for high-speed, high-grade digital signal transmission
- Pure Direct mode, for the enjoyment of music in high-quality sound
- Supports the most advanced surround playback formats  
Dolby Digital EX / Dolby Digital / Dolby Pro Logic IIx  
DTS-ES / DTS 96/24 / DTS Neo:6 / DTS / HDCD
- Variable subwoofer crossover switching
- Pre-amp with Variable Gain Volume

## Connectivity & Future-ready Expandability

- HDMI™ inputs with 1080p capability
- Video Up conversion capable of output to HDMI port
- 3 Sources and Zone Capability
- RS-232C terminal, for external 3rd party control systems and possible future upgrades
- Remote IN/OUT ports

- Zone2 Theatre digital (OPT) audio output (Bitstream, Linear PCM, Analog to Digital)
- Zone2 Video output (Component, OSD)

## Ease-of-Use

- 3 Quick Select Buttons
- Auto Surround Back Channels ON function, for auto-detection of supporting sources
- Auto Surround mode
- Audio Delay function (max. 6 frames or 200 msec)
- Night Mode for neighbor friendly listening
- Muting level settings (∞/-40dB/-20dB)
- Audio Level Memory, capable of correcting different signal levels for each input device
- Volume Level Limiter, for setting maximum volume levels
- Power-ON Volume Level Memory
- EL programmable remote control unit



\*Sample picture of new GUI



## Input / Output terminals

IN	HDMI	6
	Component	6 (1: BNC)
	S-Video	8
	Composite	8
	Analog audio	11
	Digital OPT	5
	Digital COAX	6 (2: BNC)
	Denon Link 3rd	1
	Ethernet	1
	Wi-Fi (WLAN Antenna)	1
	USB	2
	iPod ready	1
	Set up Mic	1

OUT	HDMI	2
	Component	2 (1: BNC)
	S-Video	4
	Composite	4
	Analog audio	3
	Digital OPT	3
	Pre out	9.3ch
	Phones	1
	Zone Component out	1
	Zone Composite out	2
	Zone S-Video	1
	Zone analog audio out	2
	Zone digital audio out	1
	Trigger +12V, 250mA	4

Others	Zone Component out	1
	Zone Composite out	2
	Zone S-Video	1
	Zone analog audio out	2
	Zone digital audio out	1
	Trigger +12V, 250mA	4
	RS-232C	2
	Remote In/Out	1/1

## Specifications

Power Amplifier Section	
Rated output	*THD figures are power amp stage values.
Front	150 W + 150 W (8 ohms, 20Hz - 20kHz)
Centre	150 W (8 ohms, 20Hz - 20kHz)
Surround	150 W + 150 W (8 ohms, 20Hz - 20kHz)
Surround back	150 W + 150 W (8 ohms, 20Hz - 20kHz)
Preamplifier Section	
Input sensitivity/impedance	
PHONO(MM)	2.5 mV/47 kohms
Audio inputs	200 mV/47 kohms
Output level/Load impedance	
Audio outputs	1.2 V/10 kohms
Rec. Audio outputs	200 mV/47 kohms
General	
Power supply	AC 230 V, 50 Hz
Dimensions (WxHxD)	434 x 217 x 500 mm

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